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These articulation agreements have been negotiated so that the junior college student may complete the first two years toward his baccalaureate with courses that meet the requirements of his major. This bulletin merely lists the acceptable courses; details of curricula, course titles, descriptions, or units of credit may be found in the catalogs of the respective colleges. From this listing, the student can see what is needed, not only for his major, but also for completing his general education requirements. In some cases, a certain course may satisfy both needs. If the student elects courses that satisfy neither requirement, he may have to spend extra time in the lower division before transfer. This schedule also lists courses that satisfy minor and major requirements toward teaching credentials. The report may serve as a guide for other schools wishing to establish similar agreements. (HH)

U.S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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ED 026988

LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

Office of the Curriculum Coordinator

ARTICULATION AGREEMENTS

Between

CALIFORNIA STATE COLLEGE AT LOS ANGELES

and

THE COLLEGES OF THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

City College
East Los Angeles College
Harbor College
Pierce College
Southwest College
Trade-Technical College
Valley College

Revised: September 1, 1968

ALL PREVIOUS EDITIONS ARE OBSOLETE

JC 690 021

PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS

PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT

PART IV COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS

UNIVERSITY OF CALIF.
LOS ANGELES

FEB 20 1968

CLEARINGHOUSE FOR
JUNIOR COLLEGE
INFORMATION

INTRODUCTION

The parts of this bulletin have been developed through negotiations between the California State College at Los Angeles Office of Relations with Schools and the Los Angeles City Junior College District's Curriculum Office. The purpose of these agreements is to enable the CSCLA student attending a junior college to complete the first two years of his baccalaureate objective, with courses which meet the requirements for his particular major, as well as the general education requirements for graduation from Cal-State College at Los Angeles.

This bulletin merely lists courses acceptable for meeting the various requirements. Details regarding curricula, course titles, descriptions, or units of credit, may be obtained from the CSCLA catalog and from the catalogs of the respective Los Angeles Colleges.

In planning his two-year junior college program, the student should first consider the requirements for the major. Next, he should plan to complete as many of the general education requirements as possible. (In many instances, a given course may be applied to both the major and general education requirements. Courses in this category are so indicated in PART I). The including of electives which do not meet either the Major or General Education Requirements could result in extending the time required for completion of the bachelor's degree.

California State College at Los Angeles grants elective credit for all courses transferred from the junior colleges except those courses designated as remedial, or courses specifically serving the purposes of training in an occupational curriculum.

PART IV lists the courses offered in the Los Angeles Colleges which will satisfy requirements in majors and minors towards teaching credentials.

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PART I

COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

CSCLA REQUIRED COURSES	LAC COURSES WHICH MEET THE REQUIREMENT

AMERICAN STUDIES

B.A. Degree: No lower division course requirements. Students follow the G.E. program and add, as electives, courses in American language and literature, philosophy, fine arts, and social studies, including American origins of western civilization.

Major, Teaching: Candidates for a teaching credential planning to major in American Studies must consult the American Studies adviser before registration.

ANTHROPOLOGY

B.A. Degree:

Anthropology 250	Anthropology 2
Anthropology 260	Anthropology 1
Anthropology 270	Anthropology 3
Foreign Language	Foreign Language: Through course 2 or three years of high school language

ART

B.A. Degree:

Art 103	Art 11
Art 104	Art 20
Art 106	Art 1
Art 111	Art 2
Art 203	Art 12
Art 234	Art 22
Art 244	Art 24 or Art 25

Select two from the following:

Art 102	Art 52
Art 202	Art 15
Art 207	Art 51

CSCLA COURSES	LAC COURSES

ASIAN-AFRICAN STUDIES

This MINOR (only) is an interdisciplinary program designed for students who desire knowledge of this major area of the world as a complement to their chosen academic major.

Asian-African Studies 251
Asian-African Studies 252

BIOLOGY

B.A. Degree: Competence in Mathematics through Mathematics 103 (Algebra and Trigonometry) as shown by satisfactory performance in mathematics placement examination.

Biology 100AB	Biology 6-7 or Zoology 1-2 with Botany 1 or 2
Biology 100C	
Chemistry 100AB	Chemistry 1-2
Physics 101-102	Physics 6-7
Botany 220	Botany 2
Electives (12 units)	Electives (8 units): Additional courses, with at least one from each of the following groups: (a) Chemistry, Physics, Mathematics 5,6,7 or 8 (b) Geology, Meteorology, Climatology, Microbiology 1

BOTANY

B.A. Degree Biology 100AB	Biology 6-7 or Zoology 1-2 with Botany 1 or 2
Biology 100C	
Chemistry 100AB	Chemistry 1-2
Physics 101-102	Physics 6-7
Botany 220	Botany 2
Related Electives	Related Electives: (8-11 units) Two or three additional courses chosen from Chemistry, Geology, Mathematics 5,6,7 or 8

CSCLA COURSES	LAC COURSES
BUSINESS ADMINISTRATION	
B.S. Degree	
Core Requirements:	Core Requirements:
Business 200AB	Accounting 1-2
Business 205	Business 5 or Law 1
Business 209	Business 15
Economics 201AB	Economics 1-2
Mathematics 240AB	Mathematics 23-24, or 6 or 7
Additional Requirement for OPTION 7: OFFICE ADMINISTRATION	Recommended:
Business 211	Secretarial Science 4,5,41,43 or Office Machines 21
Business 212	Office Machines 1-2

BUSINESS EDUCATION

B. A. Degree:
Students electing the major in Business Education must demonstrate skill in typing equivalent to those required for Business 102B; in addition, those electing the secretarial option must demonstrate proficiency in shorthand and transcription equivalent to the requirements for Business 201B. These requirements may be met by college credit or by passing proficiency examinations in the subjects.

Business 113	Business 1
Business 200AB	Accounting 1-2
Business 205	Business 5 or Law 1
Business 211	Recommended: Secretarial Science 4,5,41,43 or Office Machines 21
Business 212	Office Machines 1-2
Economics 201AB	Economics 1-2

CSCLA COURSES	LAC COURSES
BUSINESS - MANAGEMENT SCIENCE	
B.S. Degree:	
Business 202	Accounting 1
Business 205	Business 5 or Law 1
Business 209	Business 15
Business 294	Business Data Processing 21-25-27
Economics 201AB	Economics 1-2
Physics 101-103	Physics 6-7
Mathematics 102	Mathematics 4
Mathematics 103	Mathematics 3
Mathematics 201-203	Mathematics 7-8
Mathematics 290	Mathematics 44
CHEMISTRY	
B.S. Degree:	
One year of German required	German 1-2
Chemistry 120ABC	Chemistry 1-2-5
Physics 201-206	Physics 1-2-3-4
Mathematics 201-205	Mathematics 7-8-11
B.A. Degree:	
One year of German	German 1-2
Chemistry 120ABC	Chemistry 1-2-5
Physics 201-205	Physics 1-2-3-4
Mathematics 201-205	Mathematics 7-8-11
CHEMISTRY - BIOCHEMISTRY	
B.S. Degree:	
One year of German	German 1-2
Chemistry 120ABC	Chemistry 1-2-5
Physics 201-204	Physics 1-2-3-4
Mathematics 201-205	Mathematics 7-8-11
Biology 100AB	Biology 6-7 or Zoology 1-2 with Botany 1 or 2
Microbiology 200AB	Microbiology 1

CSCLA COURSES	LAC COURSES
DRAMA	
B.A. Degree	
Drama 102ABC	Theatre Arts 44-45
Drama 124AB	Theatre Arts 23
Drama 152	Theatre Arts 5
Drama 160	Theatre Arts 10 or Speech 3
ECONOMICS	
B.A. Degree	
Economics 201AB	Economics 1-2
Mathematics 240AB	Mathematics 23-24 or 6 or 7
Business 202	Accounting 1
Business 209	Business 15
ENGINEERING	
B.S. Degree	
Engineering 101	General Engineering 4
Engineering 102	General Engineering 15
Engineering 201	General Engineering 7
Engineering 207	General Engineering 5
Engineering 209	
Mathematics 201-205	Mathematics 7-8-11
Physics 201-205	Physics 1-2-3-4
Chemistry 100AB	Chemistry 1-2
Select one of the following:	
Physics 206	
Engineering 200	General Engineering 6
Engineering 202	Civil Engineering 1,2
Chemistry 100C	Chemistry 1-2
ENGLISH	
B.A. Degree	
Elect two of the following:	
English 221	
English 222	English 13
English 223	English 12

CSCLA COURSES	LAC COURSES
FRENCH	
B.A. Degree:	
French 100ABC is prerequisite	
French 200ABC	French 3,4
GEOGRAPHY	
B.A. Degree:	
Geography 150	Geography 2
Geography 160	Geography 1
Geography 240	Geography 5
Geography 260	Geography 3
Geography 265	Geography 4
Sociology 210AB	Statistics 1 (Sociology 210A only)
Major, Elementary & Secondary Teaching:	
Geography 150	Geography 2
Geography 160	Geography 1
Geography 205	
Geography 260	Geography 3 or Meteorology 3
Geography 265	Geography 4
GEOLOGY	
B.A. Degree and Teaching Major:	
Geology 150	Geology 4 or 1 with 6
Geology 152	Geology 5 or 2 with 7
Geology 201	Mineralogy 1
Geology 202	Mineralogy 2
Mathematics 201-3	Mathematics 7-8
Physics 101-103 or Physics 201-3	Physics 6-7 or Physics 1-2-3
Chemistry 100ABC	Chemistry 1-2
B.S. Degree:	
Geology 150	Geology 4 or 1 with 6
Geology 152	Geology 5 or 2 with 7
Geology 201	Mineralogy 1
Geology 202	Mineralogy 2
Mathematics 201-203	Mathematics 7-8
Chemistry 100ABC	Chemistry 1-2
Physics 201-203	Physics 1-2-3
Additional courses in Chemistry, Physics, or Mathematics (12 units)	Additional courses in Chemistry, Physics, or Mathematics (8 units)
GERMAN	
No B.A. Degree Major offered; see Minor, Teaching	

CSCLA COURSES	LAC COURSES
GOVERNMENT	
B. A. Degree	
Government 201ABC	
Government 202ABC	Political Science 2
Sociology 210AB	Statistics 1 (Satisfies 210A requirement only)
Public Service Option:	
Business 202	
Economics 201A	Economics 1
Pre-Legal Option:	
History 101ABC	History 1-2
or History 202AB	History 11-12 or 17-18
or English History	
Economics 201A	Economics 1 or 2
or Economics 301	
Philosophy 250	Philosophy 8
International Relations Option:	
One year of foreign language, selected with approval of adviser (12)	One year of foreign language
General Government Option:	
One year of foreign language	One year of foreign language
or	or
select from following (12 units): (Not more than 8 units from one department)	select from following (8 units)
History 101ABC	History 1,2
Economics 201A	Economics 1 or 2
or Economics 301	
Major, Teaching:	
Government 201ABC	
Government 202ABC	Political Science 2
Foreign Language, one year	Foreign Language 1-2
or 12 units, no more than 8 in one department from the following:	or 3 courses:
History 101ABC	History 1,2
Economics 201A	Economics 1 or 2
or Economics 301	
Sociology 210A	Statistics 1

CSCLA COURSES	LAC COURSES
HEALTH AND SAFETY	
No B.A. Degree Major offered; see Minor, Teaching	
HISTORY	
B.A. Degree:	
History 101ABC	History 1-2
History 202AB	History 11-12 or History 17-18
HOME ECONOMICS	
B.A. Degree And Teaching Major:	
Required General Education Courses:	
Sociology 250 or Anthropology 250	Anthropology 2
Economics 150	Economics 5
Zoology 150	Zoology 1
Chemistry 151-152	Chemistry 3 (Chemistry 151 ONLY)
Home Economics 101	Home Economics 13
Home Economics 120	Home Economics 31 or Sociology 12
Home Economics 201	Home Economics 10
Home Economics 205	Home Economics 17
Home Economics 210	Home Economics 24
Home Economics 211	Home Economics 21
Home Economics 220	Home Economics 60
HOME ECONOMICS	
B.S. Degree (Dietetics):	
Chemistry 151-152-153 or 100AB	Chemistry 1-2
Microbiology 150	Microbiology 20
Sociology 250 or Anthropology 250	Anthropology 2
Business Administration 202	Accounting 1
Zoology 200AB	
Home Economics 101	Home Economics 13
Home Economics 120	Home Economics 31 or Sociology 12
Home Economics 210	Home Economics 24
Home Economics 211	Home Economics 21
Home Economics 220	Home Economics 60
Electives Recommended:	
Home Economics 201	Home Economics 10
Home Economics 205	Home Economics 17

CSCLA COURSES	LAC COURSES
INDUSTRIAL STUDIES	
B.A. Degree in Industrial Arts:	
Major, Secondary Teaching	
Foundation Program:	
Industrial Arts 100	Industrial Arts 5
Industrial Arts 110	Industrial Arts 21 or General Engineering 2 or Drafting 1
Industrial Arts 120	Electronics 4 with 5
Industrial Arts 130	Industrial Arts 41 or Graphic Arts 1
Industrial Arts 144	
Industrial Arts 160	Industrial Arts 11
Industrial Arts 170	Industrial Arts 1
Industrial Arts 290	Photography 10
Undergraduate Professional Courses:	
Industrial Arts 101	
Industrial Arts 200	
Industrial Arts 300AB	
B.S. Degree in Printing Management:	
Graphic Arts Courses:	
Industrial Arts 130	Industrial Arts 41 or Graphic Arts 1
Industrial Arts 231	
Business Administration Courses:	
Business 200AB	Accounting 1-2
Business 205	Business 5 or Law 1
Economics 201AB	Economics 1-2
JAPANESE	
No B.A. Degree Major offered; see Minor, Teaching	
JOURNALISM	
B.A. Degree:	
Journalism 201	Journalism 1
Journalism 202	Journalism 2
Major, Secondary Teaching:	
Journalism 100	Journalism 5
Journalism 201	Journalism 1
Journalism 202	Journalism 2

CSCLA COURSES	LAC COURSES
LATIN AMERICAN STUDIES	
B.A. Degree	
Anthropology 250	Anthropology 2
Geography 150	Geography 2
Spanish 200ABC	Spanish 3-4
MATHEMATICS	
B.A. Degree	
Mathematics 201-205	Mathematics 7-8-11
Mathematics 290	Mathematics 44
Physics 201-205	Physics 1-2-3-4 (satisfies 201-205)
B.S. Degree:	
Mathematics 201-205	Mathematics 7-8-11
Mathematics 290	Mathematics 44
Physics 201-206	Physics 1-2-3-4
Chemistry 100AB	Chemistry 1-2
Major, Teaching:	
Mathematics 201-205	Mathematics 7-8-11
Mathematics 290	Mathematics 44
Physics 201-202	Physics 1-2
MICROBIOLOGY	
B.A. Degree: *	
Mathematics 102	Mathematics 4
Mathematics 103	Mathematics 3
Chemistry 100ABC	Chemistry 1-2
Chemistry 201	Chemistry 5
Biology 100AB	Biology 6-7 or Zoology 1-2
Physics 101-103	Physics 6-7
Microbiology 200AB	Microbiology 1
B.S. Degree:	
Major in Sanitary Science:	
Mathematics 102	Mathematics 4
Mathematics 103	Mathematics 3
Biology 100AB	Biology 6-7 or Zoology 1-2
Chemistry 100ABC	Chemistry 1-2
Physics 101-3	Physics 6-7
Microbiology 200AB	Microbiology 1
Biology 100C	

*B.S. Degree, Medical Technology:
Zoology 200AB
To be added to the B.A. Degree requirements curriculum.

CSCLA COURSES	LAC COURSES
MICROBIOLOGY (Cont.)	
Major in Biostatics:	
Biology 100AB	Biology 6-7 or Zoology 1-2
Biology 100C	
Chemistry 100AB	Chemistry 1-2
Microbiology 200A	Microbiology 1
Mathematics 102	Mathematics 4
Mathematics 103	Mathematics 3
Mathematics 201	Mathematics 7
Mathematics 290	Mathematics 44
MUSIC	
B.A. Degree	
Music 260ABC (Students must be prepared to show basic proficiency in piano skills prior to beginning this sequence, or take Music 240ABC)	Music 2-6 and 3-7
Music 231A	Music 40 or 41
Select from following (6 units):	
Music 110sp,bw	Music 70,71,72
Music 210s,w,b,p	
Select from following (9 units):	
Music 120	Music 76 or 77
Music 121	Music 74
Music 122	
Music 126	Music 56 or 57
Music 127	Music 55 or 58
Option I - Non-credential:	
Select from following (1 unit):	
Music 120	Music 76 or 77
Music 121	Music 74
Music 122	
Music 126	Music 56 or 57
Music 127	Music 55 or 58
Option II - Choral Emphasis	
Music 231B	Music 40 or 41

CSCLA COURSES	LAC COURSES
MUSIC (Cont.)	
Option III - Instrumental Emphasis	
Music 210s,w,b,p	Music 70,71,72
(Percussion majors substitute 410w for 210p)	
Option IV - Elementary Emphasis:	
Music 231B	Music 40 or 41
NURSING	
B.S. Degree:	
Zoology 200AB	
Microbiology 200AB	Microbiology 1
Chemistry 100AB	Chemistry 1,2
General Program for Registered Nurse:	
Microbiology 200AB	Microbiology 1
PHILOSOPHY	
B.A. Degree:	
Philosophy 150	Philosophy 1-2
Philosophy 250	Philosophy 8
PHYSICAL EDUCATION	
B.A. Degree	
Major, Secondary Teaching:	
Zoology 200AB	
Physical Education 199	Physical Education 16 or 30
Physical Education 180,181,182 }	Physical Education 31-32-33;
Physical Education 280,281,282 }	36-37-39 for Men
PHYSICS	
B.S. Degree	
Major in Physics	
Physics 201-206	Physics 1-2-3-4
Chemistry 120ABC	Chemistry 1-2-5
Mathematics 201-205	Mathematics 7-8-11

CSCLA COURSES	LAC COURSES
PHYSICS (Cont.)	
B.S. Degree:	
Major in Biophysics:	
Physics 201-206	Physics 1-2-3-4
Chemistry 120ABC	Chemistry 1-2-5
Mathematics 201-205	Mathematics 7-8-11
Biological Sciences	Zoology, Botany and Microbiology (12 units)
Major, Teaching:	
Physics 201-206	Physics 1-2-3-4 (201-205 only)
Chemistry 120ABC	Chemistry 1-2-5
Mathematics 201-205	Mathematics 7-8-11
POLICE SCIENCE	
B.S. Degree	
Police Science 101	Police Science 1
Police Science 126	Police Science 2
Police Science 221	Police Science 3
Police Science 222	Police Science 4
Police Science 235	Police Science 5
Police Science 236	Police Science 7
Police Science 238	Police Science 6
Health & Safety 201	Police Science 11
Electives:	
Police Science 262	
Police Science 264	Police Science 62
Police Science 282	Police Science 9
Police Science 283	Police Science 10
PRINTING MANAGEMENT	
B.S. Degree:	
See Industrial Studies, B.S. Degree	
PSYCHOLOGY	
B.A. Degree	
One course from:	One course from:
Chemistry 100A,B,151,152	Chemistry 1,2,3,11
Physics 101,102,150	Physics 6 or 11

CSCLA COURSES	LAC COURSES
PSYCHOLOGY (Cont.)	
B.A. Degree:	
One course from:	One course from:
Biology 100A,B, 151	Biology 6,7
Zoology 150, 200A,B	Zoology 1
One course from either of two preceding groups or from:	
Philosophy 250	Philosophy 8
Anthropology 250,260	Anthropology 2,1
Required courses:	
Mathematics 102	Mathematics 4
Psychology 150	Psychology 1
Psychology 150L	
Psychology 201	Psychology 2
Psychology 201L	
One year of Foreign Language (Two years or equivalent of foreign language are recommended, preferably French, German, or Russian)	One year of Foreign Language
RADIO AND TELEVISION BROADCASTING	
B.A. Degree:	
Foreign Language: (3 quarters of same foreign language selected from 100 or 200 level courses)	Foreign Language: Either the first or second year in one language
Broadcasting 200	
Broadcasting 201	Broadcasting 10
Option A: Cultural Backgrounds for Broadcasting	
(No more than 4 units of lower division courses representative of both departments)	
Speech 267	Speech 4
English 250	English 2
English 221	
English 223	English 12
Option B: Infomational Broadcasting	
Journalism 201	Journalism 1

CSCLA COURSES	LAC COURSES
RADIO AND TELEVISION BROADCASTING (Cont.)	
B.A. Degree	
Option C: Educational & Instructional Broadcasting	
English 250	
Speech 176	Speech 11
Speech 278	
RECREATION EDUCATION	
B.S. Degree	
Recreation Education 132	Physical Education 44 or 45
Recreation Education 232	Physical Education 43
Recreation Education 236	Physical Education 48
Art 102	Art 52
SOCIAL SCIENCE	
B.A. Degree:	
Option in Economics:	
Economics 201AB	Economics 1-2
History 101ABC	History 1-2
or History 202AB	History 11-12 or 17-18
Government 150	Political Science 1
Geography 150	Geography 2
Geography 160	Geography 1
Sociology 250	
or Anthropology 250	Anthropology 2
Mathematics 240AB	Mathematics 23-24 or 6 or 7
Option in Geography:	
Geography 150	Geography 2
Geography 160	Geography 1
Geography 205	
History 101ABC	History 1-2
or History 202AB	or History 11-12 or 17-18
Economics 201A	Economics 2 or 1-2
or Economics 301	
Sociology 250	
or Anthropology 250	Anthropology 2
Government 150	Political Science 1

CSCLA COURSES	LAC COURSES
SOCIAL SCIENCE (Cont.)	
B.A. Degree	
Option in Government:	
Government 150	Political Science 1
Government 201AB	
Government 202AB	Political Science 2
Government 201C	
History 101ABC	History 1-2
or History 202AB	or History 11-12 or 17-18
Geography 150	Geography 2
Geography 160	Geography 1
Economics 201A	Economics 1 or 2
or Economics 301	
Sociology 250	
or Anthropology 250	Anthropology 2
Option in History:	
History 101ABC	History 1-2
History 202AB	History 11-12 or 17-18
Geography 150	Geography 2
Geography 160	Geography 1
Government 150	Political Science 1
Economics 201A	Economics 1 or 2
or Economics 301	
Sociology 250	
or Anthropology 250	Anthropology 2
SOCIOLOGY	
B.A. Degree:	
Sociology 201AB	Sociology 1-2
Sociology 210AB	Statistics 1
SPANISH	
B.A. Degree:	
Spanish 100ABC or its equivalent is prerequisite to the program.	
Spanish 200ABC	Spanish 3-4

CSCLA COURSES	LAC COURSES
SPEECH	
B.A. Degree:	
Speech 150	Speech 1
Speech 176	Speech11
Speech 267	Speech 4
Speech 270	
Select from following (4 units):	
Speech 177)	Speech 13
Speech 277)	
B.A. Degree, Speech Pathology:	
Speech 160	Speech 3 or Theatre Arts 10
Major in Speech Combined with Speech/Hearing Credential:	
Speech 150	Speech 1
Speech 160	Speech 3 or Theatre Arts 10
Speech 176	Speech 11
or Speech 270	
Speech 267	Speech 4
ZOOLOGY	
B.S. Degree	
Biology 100ABC	Biology 6-7 (100AB only) or Zoology 1-2 with Botany 1 or 2
Chemistry 100ABC	Chemistry 1-2
Physics 101-102-103	Physics 6-7
Foreign Language - one year	Foreign Language 1-2

PART II

COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS

A total of 48 units is required.

I. Social Sciences — 9 units

Courses must be selected from two or more fields:

A. The mandatory History and Constitution requirement may be satisfied by taking either:

1. History 5 with 6, 11 with 12, 17 with 18

<u>or</u>

2. Political Science 1 with one History course chosen from 5,6,11,12,13,14,15,17,18

B. One course chosen from:

Anthropology 2; Economics 1,2,5; Geography 2;
Political Science 2; Sociology 1,2,10

II. Natural Sciences — 9 units

Courses must include both a physical and a life science. At least one course in each area must include one unit of laboratory.

A. <u>Physical Sciences</u>

At least one course from:

Chemistry 1,2,3,11; Geology 1 with 6, 2 with 7, 4,5;
Mineralogy 1,2,10,11,12; Physical Science 1,2;
Physics 1,2,3,4,6,7,11,12,14,21

B. <u>Biological Sciences</u>

At least one course from:

Biology 1,2,3,6,7,10,12,23,24; Botany 1,2,3;
Microbiology 1,20; Physiology 1,3; Zoology 1,2,5,6

C. Additional Science courses:

Anatomy 1; Astronomy 1,2; Chemistry 4,5,6,7,8;
Earth Science 1; Geography 3; Meteorology 3;
Microbiology 6; Paleontology 1

III. Humanities 9 units

Courses must represent at least two of the following three areas and may not include more than four units in Fine Arts.

A. Fine Arts

Art 1,2,3,5,11,12,20,21,22,23,24,25,26,27,28,29,52;
Humanities 1,2,5;
Music 30,31,32,33,34;
Physical Education 28;
Theatre Arts 2,5,6

B. Literature

English 2,3,4,5,6,7,8,11,12,13,14,15,16,20;
Humanities 40;
Theatre Arts 7

C. Philosophy

Philosophy 1,2,3,4,6,7,8,9,15,20,21,22;
History 7

IV. Communication 6 units

Course work must be taken in each area.

A. Oral

Speech 1,2,4,11,12

B. Written

English 1

V. Health and Physical Education 4 units

Course work must be taken in each area.

A. Health Education

Health 10, 11

V. Health and Physical Education (Cont.) 4 units

B. Physical Education (2 units required)

Physical Education activity is required of all students under the age of 25 at the time of their first CSCLA registration, unless medically exempted by petition or met by transfer courses.

VI. Psychology 3 units

Psychology 1,2,6

VII. Additional General Education Courses (to total 48 units) 8 units

Additional credit may be earned in the following manner:

A. Any excess units earned in meeting the above requirements.

B. Foreign languages.

C. College level Mathematics with prerequisites of elementary algebra and plane geometry.

D. Accounting 1; Anthropology 1,3; Business 1,5; Geography 1,5; History 1,2,3,4,16,20,21,27,29,35; Home Economics 31; Humanities 10, 30,31; Law 1; Political Science 7,8; Psychology 3,5; Sociology 12

PART III

COURSES ACCEPTABLE FOR TRANSFER CREDIT

California State College at Los Angeles grants elective credit for all courses transferred from the junior colleges except those courses designated as remedial, or courses specifically serving the purposes of training in an occupational curriculum.

PART IV

COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS

The lower division requirements for Elementary and Secondary Credential majors are, in most cases, the same as for the non-teaching credential majors offered by the various departments at CSCLA. The requirements for these regular majors are outlined in PART I of this bulletin.

Lower division requirements for the minors for Elementary and Secondary Credentials are generally less comprehensive than for regular majors and are therefore given in detail herein.

Credential candidates must complete the same basic general education pattern required of all students.* In addition to all other requirements, the candidate for the Elementary Credential must complete the following course:

CSCLA COURSE	LAC COURSE WHICH MEETS THE REQUIREMENT
Mathematics 120	Mathematics 25 or 35
Recommended: Music 160	Recommended: Music 28

* No more than 6 semester hours of course work in the major or minor may apply toward general education.

I. MAJOR AND MINOR REQUIREMENTS FOR TEACHING CREDENTIALS

A. Elementary

Completion of an academic major in one of the following subjects:

American Studies	Economics	History	Psychology
Anthropology	English	Mathematics	Social Science
Art	French	Microbiology	Sociology
Biology	Geography	Music	Spanish
Botany	Geology	Philosophy	Speech
Chemistry	German	Physics	Zoology
Drama	Government		

B. Secondary

In accordance with current credential legislation, the student should have one of the following seven combinations of majors and minors:

	Major	Minors
1.	Academic, commonly taught	No minor required*
2.	Academic, commonly taught	Academic, commonly taught
3.	Academic, commonly taught	Specialized preparation in lieu of minor **
4.	Academic, commonly taught	Non-academic, commonly taught
5.	Non-academic, commonly taught	Academic, commonly taught
6.	Academic, not commonly taught	Two minors, commonly taught or **specialized preparation in lieu of one minor
7.	Non-academic, not commonly taught	Two academic minors, commonly taught, or ** specialized preparation in lieu of one minor

* A minor is not required by law but is recommended in order that the student may have more opportunities for placement in public schools.

** Specialized preparation (Special Education, Library Science, etc.)

Subjects commonly taught in the secondary school are defined by the State Board of Education to be: The humanities, social sciences, natural sciences, mathematics, fine arts, health science, home economics, industrial arts, physical education, fire prevention and public safety and accident prevention, agriculture science, business education, driver education, journalism, military science, and vocational trade and technical subjects.

C. For student teaching at CSCLA, the student must have a teaching major or a teaching minor in at least one of the following subjects:

Art	French	Industrial Arts	Social Science (with a concentration in Geography, Government, History)
Biological Science	Geography	Journalism	
Business Education	German	Mathematics	
Chemistry	Government	Music	
Drama	Health & Safety	Physics	Spanish
Driver Education	History	Physical Education	Special Education
English	Home Economics		Speech

II. CSCLA LOWER DIVISION COURSE REQUIREMENTS FOR ELEMENTARY AND SECONDARY CREDENTIAL MINORS AND LAC COURSE EQUIVALENTS

MINOR	CSCLA COURSE	LAC COURSE
Anthropology	Anthropology 250	Anthropology 2
	Anthropology 260	Anthropology 1
Art	Art 102	Art 52
	Art 103	Art 11
	Select one of the following:	
	Art 104 * or	Art 20
	Art 234 *	Art 22
	Select one of the following:	
	Art 106	Art 1
	Art 111	Art 2
	* Secondary: Both required	
Biology	Elementary: Requirements may be met by taking any 20-21 units selected in consultation with an adviser.	
	Secondary:	
	Biology 100AB	Biology 6-7 or Zoology 1-2
	Biology 100C	
	Chemistry 100AB	Chemistry 1-2
	Mathematics 102*	Mathematics 4 *
	Botany 220	Botany 2
	* May be met by high school background certified as adequate by Mathematics Department.	
Botany	Elementary: No minor offered	
	Secondary: Same as Biology Minor	
Business Education:	Business 113	Business 1
	Business 200A	Accounting 1
	Business 211	Recommended: Secretarial Science 4,5, 21,23 or Office Mach. 21
	Business 212	Office Machines 1-2

II. CSCLA LOWER DIVISION COURSE REQUIREMENTS FOR ELEMENTARY AND SECONDARY CREDENTIAL MINORS AND LAC COURSE REQUIREMENTS (Cont.)

MINOR	CSCLA COURSE	LAC COURSE
Chemistry	Chemistry 120ABC	Chemistry 1-2-5
Drama	Drama 124AB Drama 152 Drama 102AB	Theatre Arts 23-24 Theatre Arts 5 Theatre Arts 44-45
Economics	Economics 201AB Mathematics 240AB	Economics 1-2 Mathematics 23-24 or 6 or 7
English	Elementary: English 221 English 223 Secondary: Same as for B.A. Degree	 English 12
French	Same as for B.A. Degree	
Geography	Geography 150 Geography 160 Geography 265 or Geography 205 Geography 240 or Geography 260	Geography 2 Geography 1 Geography 4 Geography 5 Geography 3
Geology	Geology 150 Geology 152 Geology 201 Geology 202 Mathematics 201 Chemistry 100AB	Geology 1-6, or 4 Geology 2-7, or 5 Mineralogy 1 Mineralogy 2 Mathematics 7 Chemistry 1-2
German	German 100ABC is prerequisite for German 200ABC	German 3-4

II. CSCLA LOWER DIVISION COURSE REQUIREMENTS FOR ELEMENTARY AND SECONDARY CREDENTIAL MINORS AND LAC COURSE REQUIREMENTS (Cont.)

MINOR	CSCLA COURSE	LAC COURSE
Government	Government 200 or Government 403AB Government 201AB Government 202AB	 Political Science 2
Health & Safety	Courses in Human Physiology or Anatomy (4-6) Health and Safety 201	 Health 12
History	Same as for B.A. degree	
Home Economics	Same as for B.A. degree	
Industrial Arts	Industrial Arts 100 Industrial Arts 201	Industrial Arts 5 Engines 7
Japanese	Japanese 200ABC	Japanese 3-4
Journalism	Journalism 100 Journalism 201-202	Journalism 5 Journalism 1-2
Mathematics	Mathematics 201-205	Mathematics 7-8-11
Music	Music 260ABC Music 240C Select 3 units: Music 230 Music 231AB Select 3 units: Music 120 Music 121 Music 122 Music 126 Music 127	Music 2-6 and 3-7 Select 2 units: Music 40 or 41 Select 2 units: Music 76 or 77 Music 74 Music 56 or 57 Music 55 or 58

II. CSCLA LOWER DIVISION COURSE REQUIREMENTS FOR ELEMENTARY AND SECONDARY CREDENTIAL MINORS AND LAC COURSE REQUIREMENTS (Cont.)

MINOR	CSCLA COURSE	LAC COURSE
Music (Cont.)	Secondary: In addition to the above courses, Select from following, 3 units: Music 110 sp, bw Music 210 s,w,b,p	Select 2 units: Music 70,71,72
Philosophy	Same as for B.A. Degree	
Physical Education	See catalog	P.E. 16,17,18,19,20, 21,22,23,26,27,28, 29 for Women P.E. 30,31,32,33,36, 37,39 for Men
Physics	Physics 201-205 Physics 206 Mathematics 201-205	Physics 1-2-3-4 Mathematics 7-8-11
Psychology	Mathematics 102 Psychology 150 Psychology 150L Psychology 201 Psychology 201L	Mathematics 4 Psychology 1 Psychology 2
Sociology	Sociology 201AB	Sociology 1-2
Spanish	Same as for B.A. Degree	
Speech	Speech 150 Speech 176 Speech 267 Speech 278 Secondary: In addition to above, take Speech 177	Speech 1 Speech 11 Speech 4 Speech 13

III. SPECIAL EDUCATION

There are no lower division requirements for the five areas of preparation under the heading:

(1) Deaf and severely hard of hearing;

(2) Mentally retarded;

(3) Orthopedically handicapped;

(4) Speech and hearing handicapped; and

(5) Visually handicapped.

Completion of a prescribed set of courses can be substituted for a minor, and authorizes service at both elementary and secondary levels. Students who wish to qualify for public school assignments in Special Education must complete requirements for an academic teaching major, and the requirements for one of the above areas.